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COMPLETE LISTING OF THE CLAIMS

1. (Currently Amended) A bearing seal assembly comprising:  
an oil compartment containing oil;  
an air compartment containing air;  
an inner circumferential seal between the oil compartment and the air compartment;  
an outer circumferential seal between the air compartment and the inner circumferential seal, the outer circumferential seal defining a fluid compartment of elevated pressure between the inner circumferential seal and the outer circumferential seal; and  
a backup circumferential seal adjacent one of the outer circumferential seal and the inner circumferential seal.
2. (Original) The bearing seal assembly of claim 1 further including a fluid inlet port between the inner circumferential seal and the outer circumferential seal for maintaining the fluid compartment at the elevated pressure.
3. (Original) The bearing seal assembly of claim 1 wherein the inner and outer circumferential seals are carbon ring seals.
4. (Original) The bearing seal assembly of claim 1 wherein the inner and outer circumferential seals are segmented ring seals.
5. (Original) The bearing seal assembly of claim 1 wherein the inner circumferential seal is an oil-side circumferential seal and the outer circumferential seal is an air-side circumferential seal.
6. (Original) The bearing seal assembly of claim 5 wherein the backup circumferential seal is adjacent the air-side circumferential seal.

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7. (Currently Amended) A bearing seal assembly for a gas turbine engine comprising:

a first circumferential seal;

a second circumferential seal axially spaced from the first circumferential seal to define a fluid compartment of elevated pressure; and

a third circumferential seal adjacent the first circumferential seal, the third circumferential seal outside the fluid compartment and having pressure lower than the pressure in the fluid compartment between the third circumferential seal and the first circumferential seal, the third circumferential seal defining a sealed compartment between the third circumferential seal and the first circumferential seal.

8. (Original) The bearing seal assembly of claim 7 further including a fluid inlet port between the first circumferential seal and the second circumferential seal for maintaining the fluid compartment at the elevated pressure.

9. (Original) The bearing seal assembly of claim 8 wherein the first and second circumferential seals are carbon ring seals.

10. (Original) The bearing seal assembly of claim 8 wherein the first and second circumferential seals are segmented ring seals.

11. (Original) The bearing seal assembly of claim 8 wherein the first circumferential seal is an oil-side circumferential seal and the second circumferential seal is an air-side circumferential seal.

12. (Original) The bearing seal assembly of claim 11 wherein the third circumferential seal is adjacent the air-side circumferential seal.

13. (Original) The bearing seal assembly of claim 12 further including a spring between the first and second circumferential seals urging the first and second circumferential seals axially apart from one another.

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14. (Currently Amended) A bearing seal assembly for a gas turbine engine comprising:

a first seal;

a second seal axially spaced from the first seal, one of the first seal and the second seal contacting oil in an oil compartment of the gas turbine engine, the other of the first seal and the second seal contacting air in an air compartment of the gas turbine engine;

a fluid compartment between the first seal and the second seal, an inlet into the fluid compartment disposed between the first and second seals for supplying a fluid at an elevated pressure; and

a third seal adjacent ~~one~~ the first seal and outside the fluid compartment, the third seal and the first seal defining a closed, sealed compartment having a pressure that is lower than the pressure in the fluid compartment between the third seal and the first seal.

15. (New) The bearing seal assembly of claim 14 wherein the first seal and the second seal bear radially inwardly against a rotor shaft in the gas turbine engine.

16. (New) The bearing seal assembly of claim 14 further including a bracket, the first seal, second seal and third seal positioned between the bracket on an outer circumference and a rotor on an inner circumference, the bracket including an opening in communication with the inlet to the fluid compartment between the first seal and the second seal.

17. (New) The bearing seal assembly of claim 16 further including a first snap-ring between the first seal and the third seal and a second snap-ring between the second seal and the oil compartment, the first seal urged against the first snap-ring by the pressurized fluid in the fluid compartment, the second seal urged against the second snap-ring by the pressurized fluid in the fluid compartment.

18. (New) A gas turbine engine including the bearing seal assembly of claim 16 between the oil compartment of the gas turbine engine and the air compartment of the gas turbine engine.

19. (New) The bearing seal assembly of claim 14 further including a snap-ring between the first seal and the third seal, the first seal urged against the snap-ring by the pressurized fluid in the fluid compartment.